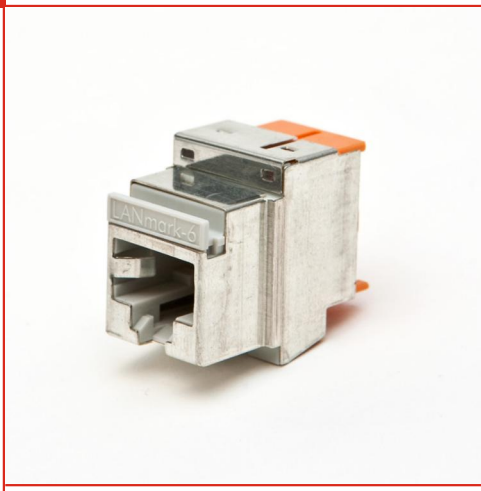
# LANmark-6 Snap-In Connector

**LANmark-6 Evo Snap-In Connector Category 6 Screened Stranded Wire**

**Nexans Ref.:** N420.667

- Category 6 Snap-In connector for CP to TO links
- Orange back housing allowing easy distinction from solid version
- 360° screened, compatible with foil shielded and braid shielded cables
- Fast and easy termination without punch down tool
- Wiring according to colour code T568B or T568A
- Accepts stranded wire from 26 to 24 AWG
- Reterminable
- Supports POE Plus applications (Type 1 and Type 2)
- An adapter can be added to fit the keystone format




LANmark-6

## DESCRIPTION

### Application

Nexans LANmark-6 Evo Snap-In connectors are manufactured and tested to the latest Category 6 specifications defined in the International and American cabling standards and are designed to meet and exceed the quality and performance criteria needed to support all applications up to 250 MHz.

- 10 BASE-T Ethernet
- 100 BASE-T Fast Ethernet
- 1000 BASE-T Gigabit Ethernet
- 155 Mb ATM
- 622 Mb ATM
- 1.2 Gb ATM
- Future Class E applications

### Design

Nexans LANmark-6 Evo Snap-In connectors are designed to match with LANmark-6 cable and patch cords and to complement all LANmark modular components, such as:

- Snap-In patch panels (fixed, sliding and angled) and Zone Distribution Boxes
- Snap-In outlet modules (UK, US, European and German style)

### Performance

Nexans LANmark-6 Evo Snap-In connectors meet and exceed the requirements for Category 6 connecting hardware as described in ISO/IEC 11801, IEC 60603-7 and EIA/TIA 568-C.2.

### Installation

## STANDARDS

**International** IEC 60603-7-5;
IEEE 802.3af (PoE);
IEEE 802.3at (PoE+)

Maximum operating temperature
**60 °C**

Minimum operating temperature
**-20 °C**





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The wire organiser guarantees fast and easy termination of the LANmark-6 Evo Snap-In connector without the need for a punchdown tool. An optional comfort tool (N420.567) can be used to increase the ease of installation.

## Guarantees

The LANmark-6 Evo Snap-In performance is guaranteed to meet or exceed the requirements of the above mentioned standards.

Traceability codes on both connector and packaging ensure quality validation.

Installations with LANmark-6 cable and connectivity are qualified for a 25 year full system warranty, which includes Parts, Installation, Channel Performance and Application Support, as described in the Nexans Certified System Warranty.

Maximum operating temperature
**60 °C**

Minimum operating temperature
**-20 °C**

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## CHARACTERISTICS

| | |
|---|---|
| **Construction characteristics** | |
| Colour | Light grey |
| Screen | Yes |
| **Dimensional characteristics** | |
| Height | 23.2 mm |
| Width | 16.8 mm |
| Depth | 36 mm |
| **Usage characteristics** | |
| Category | Cat. 6 |
| Range | LANmark-6 |
| Component function | Connector |
| Field of application | Indoor |
| Maximum operating temperature | 60 °C |
| Minimum operating temperature | -20 °C |

## ELECTRICAL PERFORMANCE

| Frequency MHz | Attenuation | NEXT pp | PSNEXT | FEXT pp | PSFEXT | RL |
|---|---|---|---|---|---|---|
| 1 | 0,1 | 94,0 | 90,0 | 83,1 | 80,1 | 30,0 |
| 4 | 0,1 | 82,0 | 78,0 | 71,1 | 68,1 | 30,0 |
| 10 | 0,1 | 74,0 | 70,0 | 63,1 | 60,1 | 30,0 |
| 16 | 0,1 | 69,9 | 65,9 | 59,0 | 56,0 | 30,0 |
| 20 | 0,1 | 68,0 | 64,0 | 57,1 | 54,1 | 30,0 |
| 31,25 | 0,1 | 64,1 | 60,1 | 53,2 | 50,2 | 30,0 |
| 62,5 | 0,2 | 58,1 | 54,1 | 47,2 | 44,2 | 28,1 |
| 100 | 0,2 | 54,0 | 50,0 | 43,1 | 40,1 | 24,0 |
| 125 | 0,2 | 52,1 | 48,1 | 41,2 | 38,2 | 22,1 |
| 155 | 0,2 | 50,2 | 46,2 | 39,3 | 36,3 | 20,2 |
| 175 | 0,3 | 49,1 | 45,1 | 38,2 | 35,2 | 19,1 |
| 200 | 0,3 | 48,0 | 44,0 | 37,1 | 34,1 | 18,0 |
| 250 | 0,3 | 46,0 | 42,0 | 35,1 | 32,1 | 16,0 |

## MECHANICAL AND ELECTRICAL CHARACTERISTICS

| | |
|---|---|
| Contact resistance: | max. 20 m Ohm |
| Input to output DC resistance: | max. 200 m Ohm |
| Insulation resistance: | min. 500 M Ohm |
| Voltage proof: | 1000 V DC or AC peak, contact to contact. |
| Mating cycles: | min. 750 |
| Insertion cycles: | min. 20 |